Author index of volume 328

Affolter, H. 51
Alkadhi, K. A. 16
Amano, H. 348, 368
Andersson, R. G. G. 236
Antkiewicz-Michaluk, L. 87
Araújo, D. 401
Assandri, A. 341
Azami, J. 423

Baumgartner, H. 461
Beani, L. 119
Berg, C. 69
Bergheim, M. 317
Bernauer, W. 288
Bianchi, C. 119
Bidlingmaier, F. 214
Bigaud, M. 221
Bockaert, J. 279
Bönisch, H. 407
Bolger, G. T. 373
Borchard, U. 417
Bornstein, J. 446
Bouhelal, R. 279
Bowman, D. 358
Brandão, F. 248, 401
Braun, W. 317
Brodde, O.-E. 362, 417
Brodin, E. 196, 361
Brown, T. R. 16
Brunsson, I. 439
Bryan, L. J. 56,407

Cannon, J. G. 180
Caramona, M. M. 396, 401
Cereceda, A. F. 331
Charlton, K. G. 154
Choo, L. K. 430
Clarke, D. E. 154
Costa, M. 446
Costall, B. 174

Dahlöf, C. 327
Dahlöf, P. 327
Daniel, W. 83
Daul, A. 362, 417
Davidesko, D. 30
Davidson, R. 248
De Jonge, A. 30, 76
Del Baldo, D. 41
Dörge, L. 241
Dompert, W. U. 467
Donnerer, J. 324

Edwards, G. 202
Eiermann, W. 214
Enero, M. A. 38
Engel, G. 229, 354
Ensinger, H. 20

Ferrari, P. 341
File, S. E. 225
Fiszman, M. L. 148
Fozard, J. R. 423
Frenken, M. 295, 301
Friebertshäuser, J. 83
Fritz, H. 202
Furness, J. B. 446

Gehlert, D. R. 454
Gherezghiher, T. 258
Gianutsos, G. 62
Glapa, U. 229
Glaser, T. 467
Göthert, M. 127, 229
Goldstein, M. 331
Gozlan, H. 279
Gramsch, C. 191
Grohmann, M. 164
Groß, G. 229
Groß, R. 378
Grundström, N. 236

Hedler, L. 20
Henseling, M. 219, 407
Hentrich, F. 127
Hertel, C. 51
Herz, A. 191
Hey, J. A. 258
Hicks, P. E. 388
Hieble, J. P. 44
Hißnauer, K. 317
Hökfelt, T. 331
Höllt, V. 191
Hörtnagl, H. 461
Holzer, P. 324
Homburger, V. 279
Honda, K. 264
Hope, D. B. 358
Hua, X. 9, 196, 361

Illes, P. 186, 241
Ishii, K. 253
Izumi, F. 273

Jawny, J. 214
Jodal, M. 439
Johnson, T. D. 154

Kato, R. 253
Katsumata, M. 348
Kaumann, A. J. 295, 301
Kilbinger, H. 304
Kim, M. Y. 142
Kobayashi, H. 273
Kobinger, W. 210
Koons, J. C. 180
Koss, M. C. 258
Kubo, T. 348, 368

Langer, S. Z. 33, 388
Lategan, T. W. 358
Lembeck, F. 1, 324
Lenzen, S. 351
Lillie, C. 210
Lin, M. T. 363
Lohse, M. J. 310
Long, J. P. 180
Lucas, M. 279
Luderschmidt, Ch. 214
Lues, I. 160
Lundberg, J. M. 9, 196, 327, 331, 361
Lundgren, O. 439

Martinelli, E. 341
Mathy, M.-J. 30,76
Maurer, R. 354
Maysinger, D. 191
Meijer, D. K. F. 103, 111
Meyer, D. K. 324
Meyer, W. 207
Miller, R. C. 221
Misu, Y. 348, 368
Mitchelson, F. 430
Miyata-Osawa, A. 264
Monteiro, J. G. 248
Mügge, A. 90
Mühlberger, V. 461

Nafziger, M. 304
Naylor, R. J. 174
Neef, C. 103, 111
Neil, A. 24
Nose, M. 207

O'Donnell, S. R. 56, 407
O'Hara, N. 362, 417
Oosting, R. 103
Osswald, W. 396

Panten, U. 351
Papka, R. E. 1
Patil, P. N. 142
Pellow, S. 225
Perazzi, A. 341
Perrot, K. 354
Peusner, I. C. W. 41
Pfitzer, G. 378
Portenier, M. 51
Pullin, C. O. 446

Reupcke, C. 90
Reymann, A. 317
Richardson, B. P. 354
Ring, J. 214
Ripamonti, A. 341
Rokosz-Pelc, A. 87
Round, A. A. 423
Rüegg, J. C. 378

Sabouni, M. H. 16
Sampaio, C. A. M. 202
Saria, A. 1, 9, 331
Satoh, K. 382
Schmitz, W. 90, 207
Schoeffter, P. 221
Scholz, H. 90, 207
Schrader, M.-T. 351
Schümann, H.-J. 160, 229
Schurr, C. 20
Schwabe, U. 310
Segonzac, A. 33
Seizinger, B. R. 191
Senius, K. E. O. 95
Shian, L. R. 363
Shiono, K. 264
Siniscalchi, A. 119
Sivilotti, L. 119
Sjöqvist, A. 439
Skofitsch, G. 9
Skolnick, P. 373
Sokoloski, T. D. 142
Spedding, M. 69, 464
Staehelin, M. 51
Starke, K. 20, 186
Stefano, F. J. E. 41, 135, 148
Steffen, C. 83
Stockmann, P. 407
Stoclet, J. C. 221
Stuka, N. 417
Suzdak, P. D. 62

Taira, N. 382
Takenaka, T. 264
Tan, C. C. W. 174
Tanganelli, S. 119
Tarzia, G. 341
Tateishi, T. 33
Tatemoto, K. 327
Terai, M. 264
Terenius, L. 331
Theodorsson-Norheim, E. 196, 361
Thomas, G. 378
Thoolen, M. J. M. C. 30, 76
Tierney, C. 388
Tilders, F. 191
Timmermans, P. B. M. W. M. 30, 76
Traber, J. 467
Traurig, H. 1
Trendelenburg, U. 56, 135, 164, 407
Tuan, G. 341

Ukena, D. 310

Van Brummelen, P. 30
Van Heiningen, P. N. M. 76
Van Zwieten, P. A. 30, 76
Veratti, E. 119
Vermes, I. 191
Vetulani, J. 87
Vong, Y. M. 430

Wada, A. 273
Wada, Y. 382
Wallis, D. I. 423
Wamsley, J. K. 454
Weissman, B. A. 373
Weitzell, R. 186
Whalley, E. T. 202
Wiedermann, C. J. 461
Wilffert, B. 30, 76
Woodward, D. F. 44

Yamamoto, S. 253
Yamamura, H. I. 454
Yanagihara, N. 273

Zielmann, S. 351

Author index of volume 328

Affolter, H. 51
Alkadhi, K. A. 16
Amano, H. 348, 368
Andersson, R. G. G. 236
Antkiewicz-Michaluk, L. 87
Araújo, D. 401
Assandri, A. 341
Azami, J. 423

Baumgartner, H. 461
Beani, L. 119
Berg, C. 69
Bergheim, M. 317
Bernauer, W. 288
Bianchi, C. 119
Bidlingmaier, F. 214
Bigaud, M. 221
Bockaert, J. 279
Bönisch, H. 407
Bolger, G. T. 373
Borchard, U. 417
Bornstein, J. 446
Bouhelal, R. 279
Bowman, D. 358
Brandão, F. 248, 401
Braun, W. 317
Brodde, O.-E. 362, 417
Brodin, E. 196, 361
Brown, T. R. 16
Brunsson, I. 439
Bryan, L. J. 56,407

Cannon, J. G. 180
Caramona, M. M. 396, 401
Cereceda, A. F. 331
Charlton, K. G. 154
Choo, L. K. 430
Clarke, D. E. 154
Costa, M. 446
Costall, B. 174

Dahlöf, C. 327
Dahlöf, P. 327
Daniel, W. 83
Daul, A. 362, 417
Davidesko, D. 30
Davidson, R. 248
De Jonge, A. 30, 76
Del Baldo, D. 41
Dörge, L. 241
Dompert, W. U. 467
Donnerer, J. 324

Edwards, G. 202
Eiermann, W. 214
Enero, M. A. 38
Engel, G. 229, 354
Ensinger, H. 20

Ferrari, P. 341
File, S. E. 225
Fiszman, M. L. 148
Fozard, J. R. 423
Frenken, M. 295, 301
Friebertshäuser, J. 83
Fritz, H. 202
Furness, J. B. 446

Gehlert, D. R. 454
Gherezghiher, T. 258
Gianutsos, G. 62
Glapa, U. 229
Glaser, T. 467
Göthert, M. 127, 229
Goldstein, M. 331
Gozlan, H. 279
Gramsch, C. 191
Grohmann, M. 164
Groß, G. 229
Groß, R. 378
Grundström, N. 236

Hedler, L. 20
Henseling, M. 219, 407
Hentrich, F. 127
Hertel, C. 51
Herz, A. 191
Hey, J. A. 258
Hicks, P. E. 388
Hieble, J. P. 44
Hißnauer, K. 317
Hökfelt, T. 331
Höllt, V. 191
Hörtnagl, H. 461
Holzer, P. 324
Homburger, V. 279
Honda, K. 264
Hope, D. B. 358
Hua, X. 9, 196, 361

Illes, P. 186, 241
Ishii, K. 253
Izumi, F. 273

Jawny, J. 214
Jodal, M. 439
Johnson, T. D. 154

Kato, R. 253
Katsumata, M. 348
Kaumann, A. J. 295, 301
Kilbinger, H. 304
Kim, M. Y. 142
Kobayashi, H. 273
Kobinger, W. 210
Koons, J. C. 180
Koss, M. C. 258
Kubo, T. 348, 368

Langer, S. Z. 33, 388
Lategan, T. W. 358
Lembeck, F. 1, 324
Lenzen, S. 351
Lillie, C. 210
Lin, M. T. 363
Lohse, M. J. 310
Long, J. P. 180
Lucas, M. 279
Luderschmidt, Ch. 214
Lues, I. 160
Lundberg, J. M. 9, 196, 327, 331, 361
Lundgren, O. 439

Martinelli, E. 341
Mathy, M.-J. 30,76
Maurer, R. 354
Maysinger, D. 191
Meijer, D. K. F. 103, 111
Meyer, D. K. 324
Meyer, W. 207
Miller, R. C. 221
Misu, Y. 348, 368
Mitchelson, F. 430
Miyata-Osawa, A. 264
Monteiro, J. G. 248
Mügge, A. 90
Mühlberger, V. 461

Nafziger, M. 304
Naylor, R. J. 174
Neef, C. 103, 111
Neil, A. 24
Nose, M. 207

O'Donnell, S. R. 56, 407
O'Hara, N. 362, 417
Oosting, R. 103
Osswald, W. 396

Panten, U. 351
Papka, R. E. 1
Patil, P. N. 142
Pellow, S. 225
Perazzi, A. 341
Perrot, K. 354
Peusner, I. C. W. 41
Pfitzer, G. 378
Portenier, M. 51
Pullin, C. O. 446

Reupcke, C. 90
Reymann, A. 317
Richardson, B. P. 354
Ring, J. 214
Ripamonti, A. 341
Rokosz-Pelc, A. 87
Round, A. A. 423
Rüegg, J. C. 378

Sabouni, M. H. 16
Sampaio, C. A. M. 202
Saria, A. 1, 9, 331
Satoh, K. 382
Schmitz, W. 90, 207
Schoeffter, P. 221
Scholz, H. 90, 207
Schrader, M.-T. 351
Schümann, H.-J. 160, 229
Schurr, C. 20
Schwabe, U. 310
Segonzac, A. 33
Seizinger, B. R. 191
Senius, K. E. O. 95
Shian, L. R. 363
Shiono, K. 264
Siniscalchi, A. 119
Sivilotti, L. 119
Sjöqvist, A. 439
Skofitsch, G. 9
Skolnick, P. 373
Sokoloski, T. D. 142
Spedding, M. 69, 464
Staehelin, M. 51
Starke, K. 20, 186
Stefano, F. J. E. 41, 135, 148
Steffen, C. 83
Stockmann, P. 407
Stoclet, J. C. 221
Stuka, N. 417
Suzdak, P. D. 62

Taira, N. 382
Takenaka, T. 264
Tan, C. C. W. 174
Tanganelli, S. 119
Tarzia, G. 341
Tateishi, T. 33
Tatemoto, K. 327
Terai, M. 264
Terenius, L. 331
Theodorsson-Norheim, E. 196, 361
Thomas, G. 378
Thoolen, M. J. M. C. 30, 76
Tierney, C. 388
Tilders, F. 191
Timmermans, P. B. M. W. M. 30, 76
Traber, J. 467
Traurig, H. 1
Trendelenburg, U. 56, 135, 164, 407
Tuan, G. 341

Ukena, D. 310

Van Brummelen, P. 30
Van Heiningen, P. N. M. 76
Van Zwieten, P. A. 30, 76
Veratti, E. 119
Vermes, I. 191
Vetulani, J. 87
Vong, Y. M. 430

Wada, A. 273
Wada, Y. 382
Wallis, D. I. 423
Wamsley, J. K. 454
Weissman, B. A. 373
Weitzell, R. 186
Whalley, E. T. 202
Wiedermann, C. J. 461
Wilffert, B. 30, 76
Woodward, D. F. 44

Yamamoto, S. 253
Yamamura, H. I. 454
Yanagihara, N. 273

Zielmann, S. 351

Subject index of volume 328

ACTH receptors, noradrenaline, adenylate cyclase, cAMP; pulmonary artery, rabbit 127
acetylcholine, tritium efflux; brain, guinea-pig 119
adenosine, ganglionic transmission, theophylline, dipyridamol; superior cervical ganglion, rats 16
adenosine analogs, phosphodiesterase, cAMP, cGMP; heart, guinea-pig 207
adenosine receptors, methylxanthines, guanine nucleotides; bovine myocardium 310
adenylate cyclase, cAMP, ACTH receptors, noradrenaline; pulmonary artery, rabbit 127
alinidine, verapamil, bradycardia, AQ-A 39; sinoatrial node, guinea-pig 210
alpha-adrenoceptor agonists, Bay k 8644, calcium channel modulation; blood pressure, pithed rats 76
alpha-adrenoceptor agonists, endothelium; aorta, rats 160
alpha-adrenoceptor antagonists, presynaptic modulation, neuronal uptake; atrium, rats 38
alpha-adrenoceptors, kinetic analysis, noradrenaline; saphenous vein, dog 248
alpha-adrenoceptors, prazosin, rauwolscine; vasculature, rabbit, dog 44
alpha-adrenoceptors, vasoconstriction, angiotensin converting enzyme, captopril; blood pressure, pithed rats 30
17alpha-propylmesterolone, antiandrogen, sebogenesis, androgene receptor; sebaceous glands, hamster 214
alpha1-adrenoceptor blocker, alpha1-alpha2-adrenoceptor activity, YM-12617; aorta, vas deferens, rabbit 264
alpha1-adrenoceptors, 5-hydroxytryptamine, serotonin receptors, 5-hydroxykynuramine; kidney, rats 154
alpha1-alpha2-adrenoceptor activity, YM-12617, alpha1-adrenoceptor blocker; aorta, vas deferens, rabbit 264
alpha2-adrenoceptor agonist, TL 99, diltiazem, calcium channel, antihypertensive action; hypertensive rats 388
alpha2-adrenoceptors, amphetamine, clonidine, drug interaction; vas deferens, rats 148
alpha2-adrenoceptors, calcium, junctional potential; vas deferens, mice 241
alpha2-adrenoceptors, clonidine, rauwolscine, serotoninergic neurones, noradrenergic neurones; rats 229
alpha2-adrenoceptors, field stimulation, dopamine; stomach, guinea-pig 174
alpha2-adrenoceptors, respiratory insufflation pressure, non-cholinergic neurotransmission, vagus; airways, guinea-pig 236
amphetamine, clonidine, drug interaction, alpha2-adrenoceptors; vas deferens, rats 148
amylase, sympathectomy, calcium, noradrenaline; parotid glands, rats 41
androgene receptor, 17alpha-propylmesterolone, antiandrogen, sebogenesis; sebaceous glands, hamster 214
angiotensin converting enzyme, captopril, alpha-adrenoceptors, vasoconstriction; blood pressure, pithed rats 30
antiandrogen, sebogenesis, androgene receptor, 17alpha-propylmesterolone; sebaceous glands, hamster 214
antidepressants, cytochrome P-450, drug metabolism; microsomes, rats 83
antihypertensive action, alpha2-adrenoceptor agonist, TL 99, diltiazem, calcium channel; hypertensive rats 388
anxiety, social interaction, GABA-benzodiazepine receptor, RO 5-4864, benzodiazepines; locomotor activity, rats 225
anxiolytics, TVX Q 7821, 5-hydroxytryptamine; brain, calf 467AQ-A 39, alinidine, verapamil, bradycardia; sinoatrial node, guinea-pig 210
autonomic nervous system, enteric nervous system, substance P; intestine, guinea-pig 446

BAY K 8644, calcium, inotropic effect, dihydropyridines; heart, guinea-pig 378
BAY K 8644, calcium agonist, nifedipine, dihydropyridine binding sites; behavior, mice 373
BAY K 8644, calcium channel, chronotropic effect, intropic effect, vasoconstriction; heart, dog 382
BAY K 8644, nifedipine, calcium-entry blockers; caecum, guinea-pig 464
BAY K 8644, insulin, calcium channel; pancreatic islets, mice 351
BAY K 8644, calcium antagonists, calcium channel agonists; caecum, guinea-pig 69
BAY K 8644, calcium channel modulation, alpha-adrenoceptor agonists; blood pressure, pithed rats 76
benzodiazepine receptors, RO 5-4864; brain, heart, kidney, rats 454
benzodiazepines, anxiety, social interaction, GABA-benzodiazepine receptor, RO 5-4864; locomotor activity, rats 225
beta-adrenergic antagonist, pindolol bromoacetyl derivative, beta-receptors; glioma cells, cerebellum, rats 279
beta-adrenoceptor antagonists, rebound effect, intrinsic sympathomimetic activity; human lymphocytes 417
beta-adrenoceptor subtypes; kidney, rats, guinea-pig 354
beta-blocker, myocardial infarction; coronary ligated rats 288
beta-receptors, beta-adrenergic antagonist, pindolol bromoacetyl derivative; glioma cells, cerebellum, rats 279
biliary excretion, membrane transport, quaternary ammonium compounds; structure-pharmacokinetics 111
blood pressure, 6-hydroxydopamine, catecholaminergic mechanism; carotid occlusion, rats 348
bradycardia, AQ-A 39, alinidine, verapamil; sinoatrial node, guinea-pig 210

Ca influx, catecholamines, veratridine, ouabain, Na influx; bovine adrenal medulla 273
cAMP, ACTH receptors, noradrenaline, adenylate cyclase; pulmonary artery, rabbit 127
cAMP, calcium, forskolin, vasopressin; pituitary gland, rats 358
cAMP, cGMP, adenosine analogs, phosphodiesterase; heart, guinea-pig 207
cAMP, forskolin, mucosal transport, glucose, hexose transport; jejunum, rats, mice 317
calcium, forskolin, vasopressin, cAMP; pituitary gland, rats 358
calcium, inotropic effect, dihydropyridines, BAY K 8644; heart, guinea-pig 378
calcium, junctional potential, alpha2-adrenoceptors; vas deferens, mice 241
calcium, noradrenaline, amylase, sympathectomy; parotid glands, rats 41
calcium agonist, nifedipine, dihydropyridine binding sites, BAY K 8644; behavior, mice 373
calcium antagonists, calcium channel agonists, BAY K 8644; caecum, guinea-pig 69
calcium channel, antihypertensive action, alpha2-adrenoceptor agonist, TL 99, diltiazem; hypertensive rats 388
calcium channel, BAY K 8644, insulin; pancreatic islets, mice 351
calcium channel, chronotropic effect, intropic effect, vasoconstriction, BAY K 8644; heart, dog 382
calcium channel agonists, BAY K 8644, calcium antagonists; caecum, guinea-pig 69
calcium channel modulation, alpha-adrenoceptor agonists, BAY K 8644; blood pressure, pithed rats 76

calcium-entry blockers, BAY K 8644, nifedipine; caecum, guinea-pig 464
capillary blood, catecholamines; blood, flow, man 461
capsaicin, lactation, suckling reflex, substance P; mammary nipple, rats 1
capsaicin, substance P-antagonists, compound 48/80; vascular permeability, rats, guinea-pig 9
captopril, alpha-adrenoceptors, vasoconstriction, angiotensin converting enzyme; blood pressure, pithed rats 30
catecholaminergic mechanism, blood pressure, 6-hydroxydopamine; carotid occlusion, rats 348
catecholamines, capillary blood; blood, flow, man 461
catecholamines, extraneuronal uptake, stereoselectivity; aorta, rabbit 219
catecholamines, extraneuronal uptake, substrate specifity, stereoselectivity; heart, rats 164
catecholamines, membrane barrier, receptor-internalisation; glioma cells, rats 51
catecholamines, veratridine, ouabain, Na influx, Ca influx; bovine adrenal medulla 273
catechol-O-methyltransferase, O-methylation, isoprenaline; trachea, aorta, rabbit 56
cholecystokinin, thermoregulation, metabolism, hypothermia; hypothalamus, rats 363
cGMP, adenosine analogs, phosphodiesterase, cAMP; heart, guinea-pig 207
cGMP, vascular smooth muscle, clonidine, endothelium; aorta, rats 221
cholecystokinin, peristalsis; intestine, guinea-pig 324
chronotropic effect, inotropic effect, vasoconstriction, BAY K 8644, calcium channel; heart, dog 382
clinidine, mydriasis, monoamine depletion, postsynaptic receptors; CNS, rats 258
clonidine, drug interaction, alpha2-adrenoceptors, amphetamine; vas deferens, rats 148
clonidine, endothelium, cGMP, vascular smooth muscle; aorta, rats 221
clonidine, insulin, glucose, islets of Langerhans; clonidine treatment, rats 253
clonidine, rauwolscine, serotoninergic neurones, noradrenergic neurones, alpha2-adrenoceptors; rats 229
clorgyline, deprenyl, deamination, noradrenaline, monoammine oxidase; saphenous vein, dog 401
clorgyline, deprenyl, noradrenaline, monoamine oxidase; saphenous vein, dog 396
codein, propoxyphene, opioid binding sites, morphine, methadone; mice 24
compound 48/80, capsaicin, substance P-antagonists; vascular permeability, rats, guinea-pig 9
cytochrome P-450, drug metabolism, antidepressants; microsomes, rats 83

deamination, noradrenaline, monoamine oxidase, clorgyline, deprenyl; saphenous vein, dog 401
deprenyl, deamination, noradrenaline, monoamine oxidase, clorgyline; saphenous vein, dog 401
deprenyl, noradrenaline, monoamine oxidase, clorgyline; saphenous vein, dog 396
dihydropyridine binding sites, BAY K 8644, calcium agonist, nifedipine; behavior, mice 373
dihydropyridines, BAY K 8644, calcium, inotropic effect; heart, guinea-pig 378
diltiazem, calcium channel, antihypertensive action, alpha2-adrenoceptor agonist, TL 99; hypertensive rats 388
dipyridamol, adenosine, ganglionic transmission, theophylline; superior cervical ganglion, rats 16
dopamine, alpha2-adrenoceptors, field stimulation; stomach, guinea-pig 174
dopamine, GABA, gamma-butyrolactone; mice 62
dopamine receptor agonists, ergot alkaloides; atrium, cardioaccelerator nerve, cat 180
drug interaction, alpha2-adrenoceptors, amphetamine, clonidine; vas deferens, rats 148
drug metabolism, antidepressants, cytochrome P-450; microsomes, rats 83

electroshock, opioid receptors; brain, rats 87
Emil Starkenstein 1884–1942; 95
endothelium, alpha-adrenoceptor agonists; aorta, rats 160
endothelium, cGMP, vascular smooth muscle, clonidine; aorta, rats 221
enteric nervous system, prostaglandins, histamine, kinins, intestinal secretion; intestine, rats 439
enteric nervous system, substance P, autonomic nervous system; intestine, guinea-pig 446
ergot alkaloides, dopamine receptor agonists; atrium, cardioaccelerator nerve, cat 180
ethylketocyclazocine, noradrenaline, opioid receptors; blood pressure, pithed rabbit 20
extraneuronal uptake, neuronal uptake, phenylephrine; papillary muscle, cat 90
extraneuronal uptake, stereoselectivity, catecholamines; aorta, rabbit 219
extraneuronal uptake, substrate specifity, stereoselectivity, catecholamines; heart, rats 164

field stimulation, dopamine, alpha2-adrenoceptors; stomach, guinea-pig 174
forskolin, mucosal transport, glucose, hexose transport, cAMP; jejunum, rats, mice 317
forskolin, vasopressin, cAMP, calcium; pituitary gland, rats 358

GABA, gamma-butyrolactone, dopamine; mice 62
GABA-benzodiazepine receptor, RO 5-4864, benzodiazepines, anxiety, social interaction; locomotor activity, rats 225
gamma-butyrolactone, dopamine, GABA; mice 62
ganglionic transmission, theophylline, dipyridamol, adenosine; superior cervical ganglion, rats 16
glucose, hexose transport, cAMP, forskolin, mucosal transport; jejunum, rats, mice 317
glucose, islets of Langerhans, clonidine, insulin; clonidine treatment, rats 253
glutamate, vasopressin antagonist, kainic acid, pressor response; medulla, rats 368
guanine nucleotides, adenosine receptors, methylxanthines; bovine myocardium 310

hexose transport, cAMP, forskolin, mucosal transport, glucose; jejunum, rats, mice 317
histamine, kinins, intestinal secretion, enteric nervous system, prostaglandins; intestine, rats 439
6-hydroxydopamine, catecholaminergic mechanism, blood pressure; carotid occlusion, rats 348
6-hydroxydopamine, reserpine, noradrenaline, neuropeptide Y; guinea-pig 331
5-hydroxykynuramine, alpha1-adrenoceptors, 5-hydroxytryptamine, serotonin receptors; kidney, rats 154
5-hydroxytryptamine, anxiolytics, TVX Q 7821; brain, calf 467
5-hydroxytryptamine, ketanserin; coronary arteries, dog 301
5-hydroxytryptamine, serotonin receptors, 5-hydroxykynuramine, alpha1-adrenoceptors; kidney, rats 154
5-hydroxytryptamine, tryptamine, imipramine; platelets, rabbit 33
5-hydroxytryptamine receptors, MDL 72 222; cervical ganglia, rabbit 423
5-hydroxytryptamine receptors, methysergide, ketanserin; coronary arteries, calf 295
hypothermia, cholecystokinin, thermoregulation, metabolism; hypothalamus, rats 363

imipramine, 5-hydroxytryptamine, tryptamine; platelets, rabbit 33
inflammation, kinins; paw oedema, uterus, rats 202
inotropic effect, dihydropyridines, BAY K 8644, calcium; heart, guienea-pig 378
inotropic effect, vasoconstriction, BAY K 8644, calcium channel, chronotropic effect; heart, dog 382
insulin, calcium channel, BAY K 8644; pancreatic islets, mice 351

insulin, glucose, islets of Langerhans, clonidine; clonidine treatment, rats 253
intestinal secretion, enteric nervous system, prostaglandins, histamine, kinins; intestine, rats 439
intrinsic sympathomimetic activity, beta-adrenoceptor antagonists, rebound effect; human lymphocytes 417
islets of Langerhans, clonidine, insulin, glucose; clonidine treatment, rats 253
isoprenaline, catechol-O-methyltransferase, O-methylation; trachea, aorta, rabbit 56

junctional potential, alpha2-adrenoceptors, calcium; vas deferens, mice 241

kainic acid, pressor response, glutamate, vasopressin antagonist; medulla, rats 368
ketanserin, 5-hydroxytryptamine; coronary arteries, dog 301
ketanserin, 5-hydroxytryptamine receptors, methysergide; coronary arteries, calf 295
kinetic analysis, noradrenaline, alpha-adrenoceptors; saphenous vein, dog 248
kinins, inflammation; paw oedema, uterus, rats 202
kinins, intestinal secretion, enteric nervous system, prostaglandins, histamine; intestine, rats 439

lactation, suckling reflex, substance P, capsaicin; mammary nipple, rats 1

McN-A-343, muscarinic receptor agonist, pirenzepine; ear artery, rabbit 430
MDL 72 222, 5-hydroxytryptamine receptors; cervical ganglia, rabbit 423
membrane barrier, receptor-internalisation, catecholamines; glioma cells, rats 51
membrane transport, quaternary ammonium compounds, biliary excretion; structure-pharmacokinetics 111
metabolism, hypothermia, cholecystokinin, thermoregulation; hypothalamus, rats 363
met-enkephaline, opioid receptors, vagal transmission, morphine; heart, rabbit 186
methadone, codein, propoxyphene, opioid binding sites, morphine; mice 24
methylxanthines, guanine nucleotides, adenosine receptors; bovine myocardium 310
methysergide, ketanserin, 5-hydroxytryptamine receptors; coronary arteries, calf 295
monoamine depletion, postsynaptic receptors, clonidine, mydriasis; CNS, rats 258
monoamine oxidase, clorgyline, deprenyl, deamination, noradrenaline; saphenous vein, dog 401
monoamine oxidase, clorgyline, deprenyl, noradrenaline; saphenous vein, dog 396
monoamine oxidase, noradrenaline; vas deferens, rats 135
morphine, met-enkephaline, opioid receptors, vagal transmission; heart, rabbit 186
morphine, methadone, codein, propoxyphene, opioid binding sites; mice 24
mucosal transport, glucose, hexose transport, cAMP, forskolin; jejunum, rats, mice 317
muscarinic receptor agonist, pirenzepine, McN-A-343; ear artery, rabbit 430
muscarinic receptors, pilocarpine, pirenzepine; ileum, guinea-pig 304
mydriasis, monoamine depletion, postsynaptic receptors, clonidine; CNS, rats 258
myocardial infarction, beta-blocker; coronary ligated rats 288

Na influx, Ca influx, catecholamines, veratridine, ouabain; bovine adrenal medulla 273
neuroleptic agents, zetidoline; metabolism, man 341
neuromedin K, tachykinins, substance P, substance K; guinea-pig 196
neuronal uptake, alpha-adrenoceptor antagonists, presynaptic modulation; atrium, rats 38
neuronal uptake, phenylephrine, extraneuronal uptake; papillary muscle, cat 90
neuropeptide Y, 6-hydroxydopamine, reserpine, noradrenaline; guinea-pig 331
neuropeptide Y, vascular smooth muscle, noradrenaline, sympathetic neurotransmission; portal vein, rats 327
nifedipine, calcium-entry blockers, BAY K 8644; caecum, guinea-pig 464
nifedipine, dihydropyridine binding sites, BAY K 8644, calcium agonist; behavior, mice 373
non-cholinergic neurotransmission, vagus, alpha2-adrenoceptors, respiratory insufflation pressure; airways, guinea-pig 236
noradrenaline, adenylate cyclase, cAMP, ACTH receptors; pulmonary artery, rabbit 127
noradrenaline, alpha-adrenoceptors, kinetic analysis; saphenous vein, dog 248
noradrenaline, amylase, sympathectomy, calcium; parotid glands, rats 41
noradrenaline, monoamine oxidase, clorgyline, deprenyl, deamination; saphenous vein, dog 401
noradrenaline, monoamine oxidase, clorgyline, deprenyl; saphenous vein, dog 396
noradrenaline, monoamine oxidase; vas deferens, rats 135
noradrenaline, neuropeptide Y, 6-hydroxydopamine, reserpine; guinea-pig 331
noradrenaline, opioid receptors, ethylketocyclazocine; blood pressure, pithed rabbit 20
noradrenaline, sympathetic neurotransmission, neuropeptide Y, vascular smooth muscle; portal vein, rats 327
noradrenergic neurones, alpha2-adrenoceptors, clonidine, rauwolscine, serotoninergic neurones; rats 229
norepinephrine, pigment cells; iris, rabbit 142

O-methylation, isoprenaline, catechol-O-methyltransferase; trachea, aorta, rabbit 56
opioid binding sites, morphine, methadone, codein, propoxyphene; mice 24
opioid peptides, vasopressin, oxytocin; pituitary, rats 191
opioid receptors, electroshock; brain, rats 87
opioid receptors, ethylketocyclazocine, noradrenaline; blood pressure, pithed rabbit 20
opioid receptors, vagal transmission, morphine, met-enkephaline; heart, rabbit 186
organic cations, quaternary ammonium compounds; structure-pharmacokinetics, rats 103
ouabain, Na influx, Ca influx, catecholamines, veratridine; bovine adrenal medulla 273
oxytocin, opioid peptides, vasopressin; pituitary, rats 191

peristalsis, cholecystokinin; intestine, guinea-pig 324
phenylephrine, extraneuronal uptake, neuronal uptake; papillary muscle, cat 90
phosphodiesterase, cAMP, cGMP, adenosine analogs; heart, guinea-pig 207
pigment cells, norepinephrine; iris, rabbit 142
pilocarpine, pirenzepine, muscarinic receptors; ileum, guinea-pig 304
pindolol bromoacetyl derivative, beta-receptors, beta-adrenergic antagonist; glioma cells, cerebellum, rats 279
pirenzepine, McN-A-343, muscarinic receptor agonist; ear artery, rabbit 430
pirenzepine, muscarinic receptors, pilocarpine; ileum, guinea-pig 304
postsynaptic receptors, clonidine, mydriasis, monoamine depletion; CNS, rats 258
prazosin, rauwolscine, alpha-adrenoceptors; vasculature, rabbit, dog 44
pressor response, glutamate, vasopressin antagonist, kainic acid; medulla, rats 368
presynaptic modulation, neuronal uptake, alpha-adrenoceptor antagonists; atrium, rats 38
propoxyphene, opioid binding sites, morphine, methadone, codein; mice 24

prostaglandins, histamine, kinins, intestinal secretion, enteric nervous system; intestine, rats 439

quaternary ammonium compounds, biliary excretion, membrane transport; structure-pharmacokinetics 111
quaternary ammonium compounds, organic cations; structure-pharmacokinetics, rats 103

rats, rabbit, guinea-pig 407
rauwolscine, alpha-adrenoceptors, prazosin; vasculature, rabbit, dog 44
rauwolscine, serotoninergic neurones, noradrenergic neurones, alpha2-adrenoceptors, clonidine; rats 229
rebound effect, intrinsic sympathomimetic activity, beta-adrenoceptor antagonists; human lymphocytes 417
receptor-internalisation, catecholamines, membrane barrier; glioma cells, rats 51
reserpine, noradrenaline, neuropeptide Y, 6-hydroxydopamine; guinea-pig 331
respiratory insufflation pressure, non-cholinergic neurotransmission, vagus, alpha2-adrenoceptors; airways, guinea-pig 236
RO 5-4864, benzodiazepine receptors; brain, heart, kidney, rats 454
RO 5-4864, benzodiazepines, anxiety, social interaction, GABA-benzodiazepine receptor; locomotor activity, rats 225

sebogenesis, androgene receptor, 17alpha-propylmesterolone, antiandrogen; sebaceous glands, hamster 214
serotoninergic neurones, noradrenergic neurones, alpha2-adrenoceptors, clonidine, rauwolscine; rats 229
serotonin receptors, 5-hydroxykynuramine, alpha1-adrenoceptors, 5-hydroxytryptamine; kidney, rats 154
social interaction, GABA-benzodiazepine receptor, RO 5-4864, benzodiazepines, anxiety; locomotor activity, rats 225
stereoselectivity, catecholamines, extraneuronal uptake; aorta, rabbit 219
stereoselectivity, catecholamines, extraneuronal uptake, substrate specifity; heart, rats 164
substance K, neuromedin K, tachykinins, substance P; guinea-pig 196
substance P, autonomic nervous system, enteric nervous system; intestine, guinea-pig 446
substance P, capsaicin, lactation, suckling reflex; mammary nipple, rats 1
substance P, substance K, neuromedin K, tachykinins; guinea-pig 196
substance P-antagonists, compound 48/80, capsaicin; vascular permeability, rats, guinea-pig 9
substrate specifity, stereoselectivity, catecholamines, extraneuronal uptake; heart, rats 164
suckling reflex, substance P, capsaicin, lactation; mammary nipple, rats 1
sympathectomy, calcium, noradrenaline, amylase; parotid glands, rats 41
sympathetic neurotransmission, neuropeptide Y, vascular smooth muscle, noradrenaline; portal vein, rats 327

tachykinins, substance P, substance K, neuromedin K; guinea-pig 196
theophylline, dipyridamol, adenosine, ganglionic transmission; superior cervical ganglion, rats 16
thermoregulation, metabolism, hypothermia, cholecystokinin; hypothalamus, rats 363
TL 99, diltiazem, calcium channel, antihypertensive action, alpha2-adrenoceptor agonist; hypertensive rats 388
tritium efflux, acetylcholine; brain, guinea-pig 119
tryptamine, imipramine, 5-hydroxytryptamine; platelets, rabbit 33
TVX Q 7821, 5-hydroxytryptamine, anxiolytics; brain, calf 467

vagal transmission, morphine, met-enkephaline, opioid receptors; heart, rabbit 186
vagus, alpha2-adrenoceptors, respiratory insufflation pressure, non-cholinergic neurotransmission; airways, guinea-pig 236
vascular smooth muscle, clonidine, endothelium, cGMP; aorta, rats 221
vascular smooth muscle, noradrenaline, sympathetic neurotransmission, neuropeptide Y; portal vein, rats 327
vasoconstriction, angiotensin converting enzyme, captopril, alpha-adrenoceptors; blood pressure, pithed rats 30
vasoconstriction, BAY K 8644, calcium channel, chronotropic effect, inotropic effect; heart, dog 382
vasopressin, cAMP, calcium, forskolin; pituitary gland, rats 358
vasopressin, oxytocin, opioid peptides; pituitary, rats 191
vasopressin antagonist, kainic acid, pressor response, glutamate; medulla, rats 368
verapamil, bradycardia, AQ-A 39, alinidine; sinoatrial node, guinea-pig 210
veratridine, ouabain, Na influx, Ca influx, catecholamines; bovine adrenal medulla 273

YM-12617, alpha1-adrenoceptor blocker, alpha1-alpha2-adrenoceptor activity; aorta, vas deferens, rabbit 264

zetidoline, neuroleptic agents; metabolism, man 341